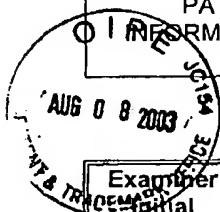


FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE	ATTY DOCKET NO: 4576/4581A	SERIAL NO: 10/612.658
PATENT & TRADEMARK OFFICE		APPLICANT: M.P. Galligan et al	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE: 07/02/03	GROUP:



REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Filing Date if Appropriate
<i>yn</i>	5,735,158	04/07/98	Brunson	72/196	
	5,151,254	09/29/92	Arai et al	422/180	
	4,318,894	03/09/82	Hensel et al	423/212	
	4,455,281	06/19/84	Ishida et al	422/171	
	4,530,418	07/23/85	Currie	181/227	
	4,617,289	10/14/86	Saito et al	502/339	
	4,752,599	06/21/88	Nakamura et al	502/257	
	4,920,746	05/01/90	Gebelius	60/299	
	4,927,353	05/22/90	Nomura et al	431/215	
	4,985,388	01/15/91	Whittenberger	502/439	
<i>yn</i>	5,419,121	05/30/95	Sung et al	60/274	

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Publication Date	Country or Patent Office	Class	Translation	
					Yes	No
<i>yn</i>	WO 97/07327	27/02/97	WIPO	E01N 3/28, 3/20		X
	2 527 684	02/12/83	France	F01N 3/08, 7/08		X
	WO 99/56853	1/11/99	WIPO	B01D 47/00		
<i>yn</i>	0 831 211 A1	25/03/98	EPO	E01N 3/24		

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

<i>yn</i>	E. Luccini et al, "Preparation of zirconia-ceria powders by coprecipitation of a mixed zirconium carbonate in water with urea", Int. J. of Materials and Product Technology, vol. 4, no. 2, 1989, pp. 167-175
<i>yn</i>	Nakatsuji et al, "highly Durable NO _x Reduction System and Catalysts for NO _x Storage Reduction System", Society of Automotive Engineers, Inc., SAE paper No. 980932, pp. 129-134, 1988
<i>yn</i>	Kisenyi et al, "Correlation Between Dynamometer- and Vehicle-Aged Catalysts for Automotive Lean-Burn Applications", Society of Automotive Engineers, Inc., SAE paper No. 980934, pp. 145-152, 1988

Examiner <i>yn yn yn</i>	Date Considered <i>6/28/04</i>
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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PATENT & TRADEMARK OFFICE

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Filing Date if Appropriat
yn	5,481,084	01/02/96	Patrick et al	219/123	
	5,516,494	05/14/96	Domesle et al	427/243	
	5,569,455	10/29/96	Fukui et al	422/174	
	5,735,158	04/07/98	Brunson	72/196	
yn	6,294,141,B1	09/25/01	Twigg et al	423/213.7	

FOREIGN PATENT DOCUMENTS

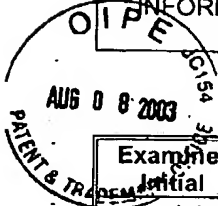
Examiner Initial	Document Number	Publication Date	Country or Patent Office	Class	Translation	
					Yes	No

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

Examiner	<i>Nepten Yogan</i>	Date Considered	<i>6/28/04</i>
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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY DOCKET NO: 4576/4581A	SERIAL NO: 10/612,658
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	FILING DATE: 07/02/03	GROUP:



REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Filing Date if Appropriate
<i>yn</i>	4,094,644	06/13/78	Wagner	23/288F	
	4,451,441	05/29/84	Ernest et al	423/213.2	
	4,515,758	05/07/85	Domesle et al	423/213.2	
	5,987,882	11/23/99	Voss et al	60/274	
	3,111,396	11/19/63	Ball	25/156	
	3,540,878	11/17/70	Levine et al	75/5	
	3,667,985	06/06/72	Levine et al	117/22	
	3,925,259	12/09/75	Kane	252/470	
	4,027,367	06/07/77	Rondeau	428/652	
	4,414,023	11/08/83	Aggen	75/124	
<i>yn</i>	4,617,289	10/14/86	Saito et al	502/339	

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Publication Date	Country or Patent Office	Class	Translation	
					Yes	No
<i>yn</i>	GB 413,744	07/26	United Kingdom	<i>---</i>		X
	162,311		Taiwan	<i>---</i>	X	
	WO 98/15354	16/04/98	WIPO	<i>---</i>		
<i>yn</i>	0 639 702 A1	22/02/95	EPO	<i>---</i>		

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

	M. Mitchell, "Ampomat Porous Materials, Series 200", Astro Met, Inc. April 8, 1998
	OptiCat Marketing Brochure, "Wire Mesh Catalyst Carrier"
	Tetko Marketing Brochure, "Wire Cloth", pg. 36
	"Thermal Barrier coating" with English translation of pertinent paragraph

Examiner <i>Nguyen Yen Nguyen</i>	Date Considered <i>6/28/04</i>
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REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Filing Date if Appropriate
yn	4,671,931	06/09/87	Herchenroeder et al	420/445	
	4,969,329	11/13/90	Bolton et al	60/288	
	5,075,274	12/24/91	Kiyohide et al	502/303	
	5,108,977	04/28/92	Yoshida et al	502/304	
	5,170,624	12/15/92	Cornelison et al	60/300	
	5,204,302	04/20/93	Gorynin et al	502/2	
	5,208,203	05/04/93	Horiuchi et al	502/302	
	5,384,200	01/24/95	Giles et al	428/552	
	5,466,651	11/14/95	Pfefferle	502/304	
	5,597,771	01/28/97	Hu et al	502/304	
yn	5,721,188	02/24/98	Sung et al	502/439	

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Publication Date	Country or Patent Office	Class	Translation	
					Yes	No
yn	1,014,198	31/12/65	Great Britain			
	2,188,559 A	07/10/87	Great Britain			
	1,014,498	31/12/65	Great Britain	F.02 b		
yn	GB 2 188 559 A	07/10/87	Great Britain	B01D 53/36		

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

yn	A. Jatar, "A New Catalyst Support Structure for Automotive Catalytic Converters", SAE Technical Paper Series No. 971032, Int'l Congress & Exposition, Detroit, Michigan, Feb. 24-27, 1997, pp. 149-186
	A.N. Pestryakov, "Catalysts Based on Foam Metals", Materials and Ecology, Journal of Advanced Materials, 1994, 1(5), pp. 471-476
	Palke, D.R. et al, "Durable Catalytic Aftertreatment of Motorcycle Exhaust", SAE paper 962473, Symposium on International Automotive Technology '96, pp. 2029-2036
yn	Reck et al, "Metallic Substrates and Hot Tubes for Catalytic Converters in Passenger Cars, Two- and Three-Wheelers", SAE Paper 962473, December 1996, Abstract only

Examiner	Reck-yn Kungun	Date Considered	6/28/04
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